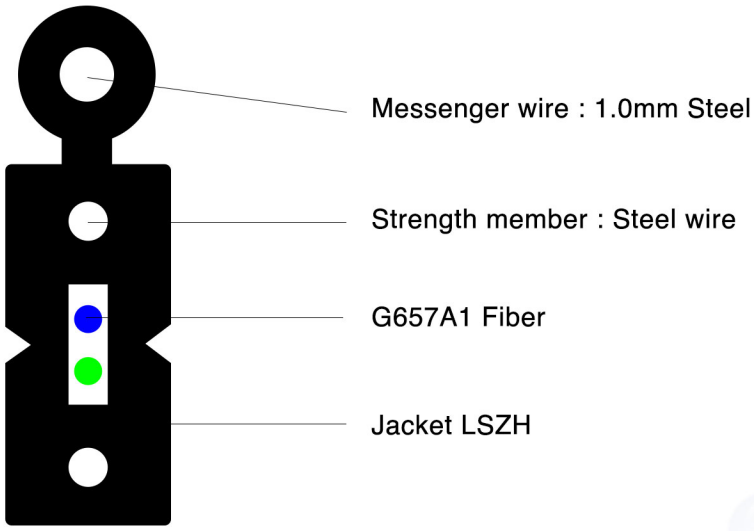
Dropcable



FTTH Cable directly connected to their homes, their bandwidth, wavelength and transmission technology type are not restricted. The optical fiber unit id positioned in the centre. Two parallel strength member are placed at the two sides. A steel wire as the additional strength member is also applied, then the cable is completed with a LSZH sheath.

Fiber Colors

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Putih	Abu

Technical Parameters

Cable Construction details

Number of fiber	1 - 6 core	
Strength member	Material	Steel
	Diameter	0.45mm
Self support Messenger wire	Material	steel wire
	Diameter	1.0mm
Outer sheath	Material	LSZH
Cable size (Height * Width)	2.0(±0.1) mm x 5.0 (±0.2)mm	
Cable weight	Net weight	19kg/km
	Gross weight	20.0kg/km

Cable Mechanical characteristic

items		Description
Installation Temperature range (°C)		-20+60
Operation and transport temperature (°C)		-40+70
Min Bending radius (mm)	Static	10D
	Dynamic	25D
Min allowable Tensile strength (N)	Long term	300
	Short term	600
Crush load (N/100mm)	Long term	1000
	Short term	2200

Fiber characteristic

Fiber style	Unit	ITU-T G.657
Condition	nm	1310/1550
Attenuation	dB/km	≤0.36/0.23
Dispersion (1285-1310nm)		≤ 3,5ps/nm.km
Dispersion (1550nm)		≤ 18 ps/nm.km
PMD coefficient		≤ 0,2 ps/km$^{1/2}$
Cable Cut - off Wavelength λcc		≤ 1.260nm
Radius attenuation bending (With radius: 10mm; round number: 1)	dB	1550nm≤0.75dB; 1625nm≤1.5dB
MFD at wavelength 1310nm		8.6μm ± 0.4μm
Mode Field Concentricity Error	μm	≤ 0,5μm
Cladding diameter	μm	125±0.7μm
Cladding non-circularity	%	≤ 0.5
Coating diameter	μm	242±7μm

Package

Packing material	Wooden drum and carton
Packing length	standard length of cable shall be 1km or 2km. Other cable length is also available if required by customer



*Cable marking and cable reel marking
*The cable sheath shall be marked with white characters according to customer's requirement.